

the specification of which

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Attorney's Docket No.: <u>042390.P11018</u>

PATENT

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION (FOR INTEL CORPORATION PATENT APPLICATIONS)

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below, next to my name.

I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

IMPROVED RESPONSE AND DATA PHASES IN A HIGHLY PIPELINED BUS ARCHITECTURE

X	is attached hereto. was filed on (MM/DD/YYYY) February 14, 2001	as
	United States Application Number <u>09/783,244</u>	-
	or PCT International Application Number	
	and was amended on (MM/DD/YYYY)	

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment referred to above. I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, and that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (for a utility patent application) or six months (for a design patent application) prior to this application.

I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d), of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s	1			Priori <u>Claim</u>	
(Number)	(Country)		n Filing Date - DD/YYYY)	Yes	No
(Number)	(Country)		n Filing Date - DD/YYYY)	Yes	No
(Number)	(Country)		gn Filing Date - DD/YYYY)	Yes	No
hereby claim the benefit provisional application(s) li		States Code	e, Section 119(e) o	f any Unite	ed States
Application Number	(Filing Date	– MM/DD/Y\	(YY)		
Application Number	(Filing Date	- MM/DD/Y	<u>/YY)</u>		
hereby claim the benefit application(s) listed below s not disclosed in the prior of Title 35, United States known to me to be mater Section 1.56 which became or PCT international filing of	and, insofar as the sut r United States applica Code, Section 112, I ial to patentability as e available between th	oject matter of ation in the reacknowledge defined in 1 e filing date	of each of the claim nanner provided by ge the duty to disc itle 37, Code of F	is of this ap the first p lose all in ederal Req	oplication aragraph formation gulations
Application Number	(Filing Date - MM/	(DD/YYYY)	Status patented pending	d, g, abandor	ned
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revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith. ___, BLAKELY, SOKOLOFF, TAYLOR & (Name of Attorney or Agent) ZAFMAN LLP, 12400 Wilshire Boulevard 7th Floor, Los Angeles, California 90025 and direct telephone calls to <u>Jeffrey S. Draeger</u>, (408) 720-8300. (Name of Attorney or Agent) I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. Full Name of Sole/First Inventor Gurbir Singh Inventor's Signature _____ Date ____ Citizenship (Country) Post Office Address ___ Full Name of Second/Joint Inventor Robert J. Greiner Inventor's Signature _____ Date ____ Residence Beaverton, Oregon Citizenship USA (City, State) Post Office Address 16245 NW Gianola Ct. Beaverton OR 97006 Full Name of Third/Joint Inventor Stephen S. Pawlowski Inventor's Signature __ Citizenship <u>USA</u> Residence Beaverton, Oregon (Country) (City, State) Post Office Address 6624 SW 158th Ave Beaverton OR 97007

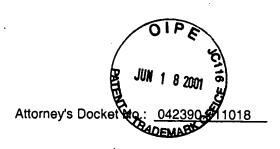
I hereby appoint the persons listed on Appendix A hereto (which is incorporated by reference and a part of this document) as my respective patent attorneys and patent agents, with full power of substitution and

Full Name of Fourth/Joint Inventor <u>David L. I</u>	Hill .
Inventor's Signature	Date
Residence(City, State)	Citizenship(Country)
Post Office Address	
Full Name of Fifth/Joint Inventor <u>Donald D. F</u>	Parker
Inventor's Signature	Date
Residence(City, State)	Citizenship(Country)
Post Office Address	
Full Name of Sixth/Joint Inventor	
Inventor's Signature	Date
Residence(City, State)	Citizenship(Country)
Post Office Address	
Full Name of Seventh/Joint Inventor	
Inventor's Signature	Date
Residence(City, State)	Citizenship (Country)
Post Office Address	

Title 37, Code of Federal Regulations, Section 1.56 <u>Duty to Disclose Information Material to Patentability</u>

- (a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:
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- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
 - (1) Each inventor named in the application;
 - (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.
- (e) In any continuation-in-part application, the duty under this section includes the duty to disclose to the Office all information known to the person to be material to patentability, as defined in paragraph (b) of this section, which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.



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Prior Foreign Application(s)				riorit laime	
(Number)	(Country)	(Foreign Filing Da		es	No
(Number)	(Country)	(Foreign Filing Da	ate - Y	es	No
(Number)	(Country)	(Foreign Filing D)ate - Y	es es	No
I hereby claim the benefit oprovisional application(s) lis	under Title 35, United S sted below:	states Code, Section	.119(e) of any l	Jnite	d States
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I hereby claim the benefit application(s) listed below a is not disclosed in the prior of Title 35, United States known to me to be mater Section 1.56 which became or PCT international filing of	and, insofar as the subjer United States applicat Code, Section 112, I alial to patentability as de available between the	ect matter of each of ion in the manner pr acknowledge the du efined in Title 37. C	the claims of the ovided by the firm to disclose a code of Federal	ns ap rst pa Ill infe Reg	oplication aragraph ormation julations
Application Number	(Filing Date – MM/D	D/YYYY) Status	- patented, pending, aba	ndon	ned
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substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith. Send correspondence to <u>Jeffrey S. Draeger</u>, BLAKELY, SOKOLOFF, TAYLOR & (Name of Attorney or Agent) ZAFMAN LLP, 12400 Wilshire Boulevard 7th Floor, Los Angeles, California 90025 and direct telephone calls to <u>Jeffrey S. Draeger</u>, (408) 720-8300. (Name of Attorney or Agent) I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. Full Name of Sole/First Inventor _ Gurbir Singh Inventor's Signature _____ Date ____ (City, State) Citizenship (Country) Residence ____ Post Office Address _____ Full Name of Second/Joint Inventor Robert J. Greiner Told Date 5/15/01 Inventor's Signature _____ Residence Beaverton, Oregon _____ Citizenship <u>USA</u> (City, State) (Country) Post Office Address _16245 NW Gianola Ct. Beaverton OR 97006 Full Name of Third/Joint Inventor Stephen S. Pawlowski Inventor's Signature _____ Date ____ Residence Beaverton, Oregon Citizenship USA (City, State) (Country) Post Office Address 6624 SW 158th Ave Beaverton OR 97007

I hereby appoint the persons listed on Appendix A hereto (which is incorporated by reference and a part of this document) as my respective patent attorneys and patent agents, with full power of

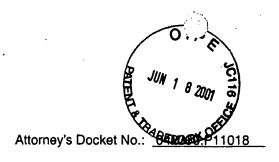
Rev. 03/05/01 (D3 INTEL)

Full Name of Fourth/Jo			/			
Inventor's Signature	1 Jann	1/1/1/1	Da	te <u>5/15/</u>	01	
Residence <u>CORN</u>	ve (uc OR (City, State)	Ci	tizenship _	USA (COU	intry)	
Post Office Address	37000 S.W.	GODDARD	Rd	Cornelius	OK	97113
Full Name of Fifth/Join	it Inventor <u>Donald D.</u>	Parker				
Inventor's Signature _			Da	ite		
Residence	(City, State)	Ci	tizenship ₋	(Cou	intry)	
Post Office Address _						
Full Name of Sixth/Joi	nt Inventor	· · · · · · · · · · · · · · · · · · ·				
Inventor's Signature _			Da	ate		
Residence		C	itizenship _.			
Post Office Address _	(City, State)			·	untry)	
Full Name of Seventh	/Joint Inventor					
Inventor's Signature _			Da	ate		, , , , , , , , , , , , , , , , , , ,
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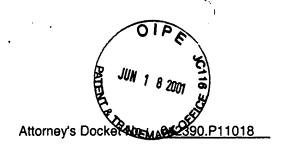
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Full Name of Fourth/Joint Invento	or <u>David L. Hill</u>		
Inventor's Signature		Date	
Residence(City,	State)	Citizenship	(Country)
Post Office Address			
Full Name of Fifth/Joint Inventor	1		
Inventor's Signature DUD			
Residence <u>BEAVEKTON</u> (City,	R State)	Citizenship	(Country)
Post Office Address	TON, CK 97006		
Full Name of Sixth/Joint Inventor			
Inventor's Signature		Date	
Residence		Citizenship	
(City,	State)		(Country)
Post Office Address			
Full Name of Seventh/Joint Inver	ntor	<u>.</u>	
Inventor's Signature		Date	
Residence	04-4-)	Citizenship	(County)
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Application Number	(Filing Date - MM/D	DD/YYYY) Status	patented, pending, abando	oned
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part of this document) as my respective patent attorneys and patent agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith. Send correspondence to <u>Jeffrey S. Draeger</u>, BLAKELY, SOKOLOFF, TAYLOR & (Name of Attorney or Agent) ZAFMAN LLP, 12400 Wilshire Boulevard 7th Floor, Los Angeles, California 90025 and direct telephone calls to <u>Jeffrey S. Draeger</u>, (408) 720-8300. (Name of Attorney or Agent) I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. Full Name of Sole/First Inventor Gurbir Singh Inventor's Signature Date Residence Citizenship Post Office Address Full Name of Second/Joint Inventor Robert J. Greiner Inventor's Signature Date __ Residence Beaverton, Oregon Citizenship USA (City, State) Post Office Address 16245 NW Gianola Ct. Beaverton OR 97006 Full Name of Third/Joint Inventor Stephen S. Pawlowski Inventor's Signature ____ Date ___ ____ Citizenship <u>USA</u> Residence Beaverton, Oregon (City, State) (Country) Post Office Address 6624 SW 158th Ave

I hereby appoint the persons listed on Appendix A hereto (which is incorporated by reference and a

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Full Name of Fourth/Joint Inventor David L. Hill		
Inventor's Signature	Date	
Residence(City, State)		
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Post Office Address		_
Full Name of Seventh/Joint Inventor	·	
Inventor's Signature	Date	·
Residence(City, State) Post Office Address	•	
		-

Title 37, Code of Federal Regulations, Section 1.56 <u>Duty to Disclose Information Material to Patentability</u>

- (a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:
 - (1) Prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) The closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.
- (b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and
- (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
 - (2) It refutes, or is inconsistent with, a position the applicant takes in:
 - (i) Opposing an argument of unpatentability relied on by the Office, or
 - (ii) Asserting an argument of patentability.

- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
 - (1) Each inventor named in the application;
 - (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.
- (e) In any continuation-in-part application, the duty under this section includes the duty to disclose to the Office all information known to the person to be material to patentability, as defined in paragraph (b) of this section, which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.